LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 313

VINEGAR

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VINEGAR

OTTAWA, May 5, 1915.

J. F. VINCENT, Esq.,
Deputy Minister Inland Revenue.

SIR,—I beg to hand you a report concerning two hundred and forty-five (245) samples purchased as Vinegar in the month of November and December of last year.

Our last extended inspection of vinegar was made in 1911, and is reported in Bulletin No. 235.

Vinegar is defined, under the Adulteration Act as "A more or less coloured liquid, consisting essentially of impure dilute acetic acid, obtained by the oxidation of wine, beer, cider, or other alcoholic liquid." It will be understood that the word *impure*, used in this connection, has regard to the presence of matters *other than* acetic acid not objectionable or undesirable, but, in fact, quite the contrary.

Under section 26 of the Act, standards and certain limiting values for different kinds of vinegar were established by Order in Council of December 19, 1913.

No better illustration of the changes which common usage brings about in the signification of words could be quoted than that afforded by the word vinegar. Etymologically it means soured wine; and it was at first employed with definite reference to that article. The souring of wine is due to the conversion of alcohol into acetic acid; and it was soon found that dilute solutions of alcohol, such as malt mashes, fermented fruit juices, hard cider, fermented raspberry juice, etc., could turn sour, and the resultant product was recognized as vinegar, but distinguished as malt vinegar, raspberry vinegar, cider vinegar, etc. Then, it was discovered that distilled spirit could be diluted to proper strength and made to undergo the acetic acid fermentation, whereby

so-called, spirit vinegar was produced. Finally, since the presence of acetic acid was found to be the chief character, it came about that diluted acetic acid from whatever source produced, was made to do duty as vinegar; either *per se*, or by addition to a fermentation product too low in acid strength. The public is therefore offered the following articles under the name vinegar:—

1. Soured (acetified) white wine.
2. " " red wine.
3. " " fermented malt mash.
4. " " " cider.
5. " " " other fruit juices.
6. " " dilute spirits.
7. Diluted acetic acid.

The first six articles named are distinguished from the last (7th) by the fact that the acetic acid which they contain has been produced by fermentation (*acetous*) in the liquid itself; they are properly described as a class, by the term "fermented." The sixth on the list is sometimes called distilled vinegar since it is made from a distilled spirit. This does not mean that the vinegar itself has been distilled. The last named article is not legally recognized as a vinegar. It may be sold as artificial vinegar, imitation vinegar; vinegar substitute, or acetar. While it possesses the sourness of true vinegar, it does not possess the special flavour which characterizes the various kinds of true vinegar. The flavour referred to is due to the fact that when fermentation to produce acetic acid occurs in a dilute alcoholic liquid, small amounts of other substances are produced at the same time. These so-called congeners impart flavour to the vinegar, and this flavour is different for each particular source. For this reason, vinegars from certain sources are much in favour with the public; those made from white wine, from malt mash, from cider, and from spirits of wine are most in demand. A solution of pure acetic acid in water has no particular flavour, and is not entitled to be called a vinegar; although a very good substitute for vinegar may be manufactured from acetic acid, by adding suitable flavouring materials. Of course, the acetic acid employed in making such a surrogate vinegar, must be quite pure.

It will readily be conceded that vinegar should be both bought and sold under a name which correctly describes it. A customer who demands vinegar, has no ground of complaint against the dealer who supplies him with any one of the first six varieties listed above. But if he asks for malt vinegar he is defrauded if given a vinegar which is not actually made from malt; and so of the other kinds. The vinegar which dominates the market in any particular country, usually corresponds to the producing material most abundant and therefore most readily available in that country. Thus, wine vinegar is most popular in France, malt vinegar in England, cider vinegar in the United States of America, and spirit vinegar in Canada. But, in Canada, we find a great demand for malt and cider vinegars, and a very wide spread demand for white wine vinegar.

The wide demand for this last named vinegar in Canada led to very extensive use of the name white wine vinegar, for an article which was not made from grapes at all, but was really a spirit vinegar. If it were generally understood that white wine vinegar as sold in Canada was a spirit vinegar, the misapplication of the name would in reality be no worse than that involved in applying the term Vinegar (*vin* = wine; *aigre* = sour) to a product which is not produced from wine, as in the case of malt and cider Vinegars. But, in the first place, spirit Vinegar, is a very desirable form of vinegar, and is entitled to its own name; again Wine Vinegar is already produced to some extent in Canada, and is imported from wine-producing countries, and both maker and importer have a right to object to competition with a surrogate wine vinegar. For these reasons it must be held that a spirit vinegar, offered as a white wine vinegar, is a case of fraud, and constitutes legal adulteration under Section 3 (*d*) of the Act which says:—

"Food shall be deemed to be adulterated within the meaning of this Act;
(*d*) if it is an imitation of, or is sold under the name of another article."

For the information of those interested, the Order in Council which defines standards for Vinegar, is reproduced.

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FOOD.

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DEPARTMENT OF INLAND REVENUE.

OTTAWA, December 29, 1913.

MEMO.—

Under authority of an Order of His Royal Highness the Governor General in Council, bearing date the 19th day of December, 1913, and in virtue of the Provisions of the 26th Section of the ADULTERATION ACT, the following Standards of quality have been established for "*Vinegar:*"—

VINEGAR STANDARDS.

1.—Vinegar is a more or less coloured liquid, consisting essentially of impure, dilute acetic acid, obtained by the oxidation of wine, beer, cider, or other alcoholic liquid.

2.—The term Acetic Acid in the above and in the following clauses is to be understood to mean Acetic anhydride, $C_4H_6O_3$ molecular weight=102; equivalent=51.

One cubic centimeter of normal soda neutralizes 0·051 gramme of Acetic Acid. Hence, the number of cubic centimeters of normal soda required to neutralize 100 grammes of Vinegar, when multiplied by 0·051 gives the percentage weight of Acetic Acid contained in the Vinegar.

When the Vinegar is measured instead of being weighed the number of cubic centimeters of normal soda required to neutralize 100cc of the Vinegar, multiplied by 0·051 gives the percentage weight of acetic acid in 100 volumes of the Vinegar and is stated as percentage of weight in volume.

3.—Vinegar shall contain not less than three and one-half (3·5) per cent; and not more than ten and one-half (10·5) per cent of Acetic Acid.

4.—Wine Vinegar is vinegar made by the alcoholic and subsequent acetous fermentation of the juice of grapes.

5.—Spirit Vinegar; Alcohol Vinegar; Grain Vinegar is vinegar made by the acetous fermentation of diluted distilled alcohol.

6.—Malt Vinegar is vinegar made by the alcoholic and subsequent acetous fermentation, without distillation, of an infusion of Malt, with or without the addition of other cereals. It is dextrorotatory, and contains in 100cc not less than 1·8 grammes of solids, and not less than 0·2 gramme ash.

7.—Cider Vinegar, Apple Vinegar, is vinegar made by the alcoholic and subsequent acetous fermentation of the juice of apples. It is laevo-rotatory and contains in 100cc not less than 1·6 grammes of apple solids, of which not more than fifty (50) per cent reducing sugars; and not less than 0·25 gramme of apple ash. The water soluble ash from 100cc contains not less than ten milligrammes of phosphoric acid (P_2O_5) and requires not less than 30cc of deci-normal acid to neutralize its alkalinity. 100cc of the vinegar contains not less than 0·15 gramme of glycerine.

8.—Vinegar may be made by the acetous fermentation of dilute alcoholic liquids whose alcohol may have had its origin in the fermentation of fruit sugars of various kinds, or of ordinary sugar. Such vinegar should bear distinctive names, indicating the source of the saccharine matter.

9.—Blended Vinegar is made by mixing two or more of the above varieties of vinegar.

10.—Artificial Vinegar; Imitation Vinegar; Vinegar Substitute; Acetar, etc., are solutions of pure Acetic Acid within the limits of strength of vinegar, which acid is not wholly the product of alcoholic and subsequent acetous fermentation.

11.—Concentrated Vinegar, Vinegar Essence, is a liquid containing more than ten and one-half (10·5) p.c. of acetic acid, whose acetic acid is entirely the product of the acetous fermentation of alcohol.

12.—Concentrated Artificial Vinegar, or Concentrated Imitation Vinegar or Imitation Vinegar Essence is a liquid containing more than ten and one-half (10·5) p.c. Acetic Acid, such acetic acid being in whole or in part derived from other sources than the acetous fermentation of alcohol.

13.—Concentrated Vinegar, Vinegar Essence and Concentrated Artificial Vinegar, etc., as defined in Sections 11 and 12, shall not be offered for sale when the acetic acid content is above twenty-five (25) per cent, unless labelled in such a way as to show plainly that the article is poisonous unless diluted with at least an equal amount of water.

The Standards above defined take effect on the 28th day of January, 1914.

Under the Provisions of Section 255 of Chapter 51, Revised Statutes of Canada, 1906, "An Act Respecting The Inland Revenue," manufacturers of vinegar made exclusively from Malt, may continue to receive remission of duty on the Malt used in the manufacture of Vinegar, provided no other Cereal is used.

If any other Cereal is employed the refund cannot be made.

This provision will remain in existence until the Section of The Inland Revenue Act, above referred to, has been amended.

WM. HIMSWORTH,
Deputy Minister.

The present report deals with two hundred and forty-five (245) samples of vinegar, purchased under the following names:—

	Samples.
Malt Vinegars	70
Cider Vinegars	28
White Wine Vinegars	47
Various Vinegars	100
Total	245

Their analysis shows that 47 out of 70 malt vinegars are true to name; 22 out of 28 Cider Vinegars are also true to name.

Forty-one (41) samples out of forty-seven (47) sold as White Wine Vinegars, are not Wine Vinegars at all. They are chiefly Spirit Vinegars, and should have been sold as such. As already noted, the so long established custom of selling Spirit Vine-

gar under the name of *White Wine* Vinegar, has proved too strong to be corrected in the interval of time (somewhat less than a year) between the publication of Departmental Standards, and the inspection now reported.

It has not been the usual policy of this Department to penalize vendors of foods (where no injury to public health was involved) until the lapse of at least one year after the adoption of standards. For this reason I would respectfully advise publication of this report rather as a criticism and a warning to manufacturers and dealers. Inspection of Vinegars will be made continuously from this date; and dealers and manufacturers cannot plead insufficient notification if, on future occasions they are dealt with strictly in accordance with the terms of the Act.

This recommendation to leniency has reference only to those samples of Spirit Vinegar which have been supplied under the incorrect name of Wine Vinegar; and is made in recognition of the long established, but misleading, custom of the trade; a custom which is made illegal under the Order in Council above quoted.

Where surrogates for Malt Vinegar or Cider Vinegar are offered, no such excuse can be urged. Both Malt and Cider Vinegars have long been manufactured and sold under their proper names; and no valid excuse can be made for selling as a Malt Vinegar an article which is not made from malt, or as a Cider Vinegar, an article which is not made from cider. Twenty-three (23) samples sold as Malt Vinegar, are found to be adulterated under the Act, in the sense that they are not made from malt. Five (5) samples sold as Cider Vinegar are found not to comply with the standards for this article, and are therefore declared adulterated.

I beg to recommend publication of this report as Bulletin No. 313.

I have the honour to be, Sir,

Your obedient servant,

A. McGILL,
Chief Analyst.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report. (Is not an expression of opinion.
								DISTRICT OF NOVA SCOTIA—
1914. Dec. 30	Vinegar	54220	John Tobin & Co., Halifax, N.S.	3 pts.	25	Purnells Co., Bristol, Eng.	Mfrs.	Malt
1915. Jan. 11	"	54221	Bauld Bros., Ltd., Halifax, N.S.	3 qts.	46	Holbrook Co., London, Eng.	"	"
" 11	"	54223	Dillon Bros., Halifax.	3 pts.	23	Wilson, Lytle & Badgerow & Co. Toronto, Ont.		"
" 11	"	54224	Cahill & Co., Halifax	3 "	20	McCready & Sons, St. John, N.B.		"
								DISTRICT OF NOVA SCOTIA—
1914. Dec. 5	Vinegar	65807	The 2 Barkers, Ltd., New Glasgow, N.S.	3 pts.	25	Holbrook & Co., London, Eng.	Mfrs.	Labelled Pure Malt
								DISTRICT OF PRINCE EDWARD ISLAND—
Oct. 24	Vinegar	60126	Beer & Goff, Charlottetown, P.E.I.	3 pts.	30	Holbrook, London, Eng.		Malt
" 24	"	60129	Stewart & Sons, Charlottetown, P.E.I.	3 bots	60	Crosse & Blackwell, London, Eng.		"
" 24	"	60130	" "	3 "	60	Purnells, Bristol, Eng.		"
								DISTRICT OF NEW BRUNSWICK—
Nov. 10	Vinegar	59601	Walter Gilbert, St. John, N.B.	3 bots.	75	Crosse & Blackwell, London, Eng.		Malt
								DISTRICT OF QUEBEC CITY—
Nov. 2	Vinegar	56300	O. Lacroix, 19 Rue St. Joseph, Quebec.	3 pts.	60	Holbrook & Co., London.	J. B. Renaud & Cie.	Malt
" 2	"	60701	" "	3 "	70	Heinz, Pittsburg, Pa.	"	"
" 4	"	60705	A. Grenier, 94 Rue St Jean, Quebec.	3 "	50	Lazenby & Son.	Mfrs	"

VINEGAR (MALT.)

Results of Analysis.												
Grams. per 100cc.					Phosphates P_2O_5 Mgms. per 100 cc.							
Acidity as Acetic.	Total Solids.	Ash.	Soluble Ash.	Alkalinity of Soluble Ash cc N/10 acid per 100 cc.	Soluble.	Insoluble.	Chlorides.	Sulphates.	Lead Acetate ppte.	Polarization.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
R. J. WAUGH, INSPECTOR.												
4·31	3·961	0·823	....	.....	.....	....	.....	.....	copious.	+ 2·6	54220	Meets standard.
4·67	2·815	0·322	.....	.....	.....	.....	.....	.....	"	+ 3·5	54221	"
3·95	2·195	0·263	.....	.....	.....	.....	.....	.....	"	+ 1·5	54223	"
4·23	0·740	0·068	.....	10·7	2·52	.....	.....	.....	medium	+ 0·9	54224	Not malt vinegar Adulterated.
W. A. PETIPAS, TEMP. INSPECTOR.												
4·27	3·89	0·595	.....	.....	....	.....	trace ...	trace ...	copious.	.....	65807	Meets standard.
WM. A. WEEKS, INSPECTOR.												
4·08	3·08	0·315	.....	10·8	32·0	.....	trace ...	copious.	copious.	.....	60126	Meets standard.
4·52	3·37	0·270	....	14·4	46·8	....	" .	trace ...	heavy .	.....	60129	"
4·17	2·59	0·285	.....	6·0	trace .	.....	copious.	medium	copious	.....	60130	"
JNO. C. FERGUSON, INSPECTOR.												
5·00	1·93	0·28	.....	4·8	trace .	.....	medium	heavy ..	copious.	.....	59601	Meets standard.
F. X. W. E. BELAND, INSPECTOR.												
4·37	2·87	0·292	0·150	6·18	trace .	55·6	trace ...	medium	copious.	.....	56300	Meets standard.
4·17	2·15	0·225	0·09	9·27	25·6	54·6	" ...	"	"	.....	60701	"
4·67	2·93	0·28	0·12	8·24	14·7	66·2	heavy ..	"	" .	.....	60705	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Furnisher.	Inspector's Report. (Is not an expression of opinion.)
DISTRICT OF QUEBEC PROVINCE—								
1914.								
Nov. 11	Vinegar	211	H. Giroux, St. Agathe des Monts.	3 pts.	75	.....	.....	Malt
" 11	"	220	Pierre Simard, St. Jerome.	3 bots.	75	Fardons Vinegar Co., Ltd.	.....	"
" 18	"	224	Eug. Lacas, St. Jerome.	3 "	45	Purnell & Panter, Ltd.	.....	"
Dec. 26	"	241	Waddell & Freres, St. Therese de Blainville.	3 "	75	Crosse & Blackwell.	.....	"
Nov. 23	"	2729	Jos. Fournier, St. Thomas Montmagny	3 pts.	25	.....	.....	"
" 2	"	212	D. Hetu, St. Agathe des Monts.	3 "	75	Crosse & Blackwell.	.....	"
DISTRICT OF EASTERN TOWNSHIPS—								
Nov. 24	Vinegar	63036	N. Lacroix, Sherbrooke.	3 qts.	38	Wilson, L. B. Co., Ltd., Toronto.	.....	Malt
" 24	"	63038	D. W. Stenson, Sherbrooke.	3 "	38	.....	.....	"
DISTRICT OF MONTREAL—								
Nov. 24	Vinegar	62526	I. Reindeau, 569 Lasalle Road, Verdun	3 pts.	30	.....	Hudon Hebert, Montreal.	Malt
" 24	"	62529	R. J. Milne, 1453 Wellington st., Verdun.	3 bots.	30	Holbrook, Ltd.,	.....	"
" 25	"	62531	Mrs. Williams, 1393 Wellington st., Verdun.	3 "	60	S. Chivers & Co., Ltd.	.....	"
DISTRICT OF VALLEYFIELD—								
Dec. 9	Vinegar	62812	E. C. McCoy, Huntingdon.	3 pts	30	.....	.....	Malt (Imported.)
" 10	"	62815	Geo. Leblanc, Longueuil.	3 "	25	.....	.....	Malt
" 15	"	62819	The Industrial Co Operative Society, Valleyfield.	3 "	21	.....	.....	"

VINEGAR (MALT.)

Results of Analysis.												
Grams. per 100cc.					Phosphates P_2O_5 Mgms. per 100 cc.							Remarks and Opinion of the Chief Analyst.
Acidity as Acetic	Total Solids.	Ash.	Soluble Ash.	Alkalinity of Soluble Ash cc N/10 acid per 100 cc.	Soluble.	Insoluble.	Chlorides.	Sulphates.	Lead Acetate ppte.	Polarization.	No. of Sample.	
N. CADIEUX AND T. GENDREAU, TEMP. INSPECTORS.												
4·20	1·80	0·20	.....	10·0	30·4	.....	medium	heavy ..	heavy .	...	211	Meets standard.
4·20	2·44	0·25	0·06	3·09	22·7	81·2	"	medium	copious	.....	220	"
4·..	3·60	0·64	0·42	7·72	35·3	62·8	copious	"	large ...	....	224	"
4·..	1·84	0·265	0·115	9·27	16·0	63·3	trace. .	trace. ..	copious.	.....	241	"
4	0·15	0·04	0·01	3·09	none	none	" ...	" . .	" .	.....	2729	Not malt vinegar. Adulterated.
4·..	2·13	0·28	.....	14·8	32·8	.	medium	heavy ..	copious	...	212	Meets standard.
J. COSTIGAN, ACTING INSPECTOR.												
..	2·07	0·16	0·075	7·21	trace.	24·7	trace ...	trace ...	slight...	.	63536	Meets standard.
..s	2·0	0·18	0·120	10·3	15·0	45·9	" ...	" ...	heavy ..	.....	63638	"
D. KEARNEY, INSPECTOR.												
.	1·62	0·20	. ...	5·20	25·2	.....	medium	heavy .	heavy ..	.....	62526	Meets standard.
.	1·47	0·28	. ...	4·00	8·00	....	heavy .	trace .	" ..	...	62529	"
.	2·17	0·32	..	10·4	34·8	..	trace .	none ..	copious	....	62531	"
J. COSTIGAN, ACTING INSPECTOR.												
	2·48	0·23	0·08	7·21	11·0	64·4	medium	medium	copious	. .	62812	Meets standard.
	0·22	0·04	0·015	2·06	7·0	37·7	trace .	"	medium	.....	62815	Not malt vinegar. Adulterated
	2·55	0·13	0·025	2·57	8·0	37·2	" ...	"	copious	.. ..	62819	Meets standard.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.
				Quantity.	Cents.	Manufacturer.	Furnisher.	
DISTRICT OF OTTAWA—								
1914.								
Oct. 31	Vinegar ..	63516	McLean Bros., Smith's Falls.	3 bots.	15	Wilson, Lytle, Badgerow, Ltd., Toronto.	.....	Wilson's Pure Malt
Nov. 6	" ..	63518	McDonald Bros., Ottawa.	3 "	15	.....	H. N. Bate & Sons, Ottawa	Malt. .....
DISTRICT OF KINGSTON—								
Oct. 28	Vinegar ..	61555	D. B. Muaary, Kingston.	1 qt.	20	Wilson, Lytle, Badgerow, Ltd , Toronto.	.....	Malt . .....
DISTRICT OF TORONTO—								
Nov. 23	Vinegar ..	64561	The Turner Co., Ltd., 106 Frank st., east, Toronto.	3 bots.	35	Vendors	.....	*Finest English Distilled Malt.*
" 24	" ..	64562	Wilson, Lytle & Badgerow Co., Ltd., 112 Duke st., Toronto.	3 "	15	"	.....	"
" 24	" ..	64563	Parsons Brown & Co., 78 Colborne st., Toronto.	3 "	25	"	.....	*Coronation Pure English Malt.*
" 25	" ..	64565	Fred. Coward, 402 Spadina ave., Toronto.	3 "	30	Holbrooks, Ltd., Toronto.	.....	*Pure Englis' Malt.*
" 25	" .	64566	The T. A. Lytle Co., Ltd., Sterling Road, Toronto.	3 "	23	Wilson, Lytle, Badgerow, Ltd., Toronto.	.....	"
" 25	"	64567	A. W. Milne, 1063 College st., Toronto	3 "	30	.....	The Ontario Importing Co., Toronto	" *Crown Brand.*
" 27	" ..	64598	W. W. Hall, 228 Westmoreland ave., Toronto.	3 "	30	Stephens & Hardy, Toronto.	.....	White Yacht Brand Original Malt, Standardized.

VINEGAR (MALT).

Results of Analysis.												
Grams. per 100cc.					Phosphates P_2O_5 Mgms. per 100cc.							
Acidity as Acetic.	Total Solids.	Ash.	Soluble Ash.	Alkalinity of Soluble Ash cc N/10 acid per 100 cc.	Soluble.	Insoluble.	Chlorides.	Sulphates.	Lead Acetate ppte.	Polarization.	No. of Sample.	Remarks and Opinion of the Cheif Analyst.
J. A. RICKEY, INSPECTOR.												
4·05	2·21	0·17	..	5·2	trace	.....	heavy .	hea·y ..	heavy ..	.....	63516	Meets standard.
5·40	2·30	0·360	....	4·4	....	.....	copious.	" ..	very copious.	....	63518	"
JAS. HOGAN, INSPECTOR.												
3·95	2·02	0·19	...	5·6	trace .	.....	none ...	none ...	heavy ..	... ..	61555	Meets standard.
H. J. DAGER, INSPECTOR.												
3·82	0·32	0·20	0·140	16·5	trace	14·0	none ...	trace ...	heavy ..	.....	64561	Meets standard.
3·00	2·24	0·14	0·03	1·54	none .	67·2	trace ...	medium	medium	.....	64562	"
3·98	2·65	0·305	0·15	1·54	8·0	70·1	medium	copious.	copious.	....	64563	"
4·15	2·51	0·295	0·160	1·54	none .	65·3	trace ..	heavy ..	" .	.....	64565	"
3·70	2·80	0·15	0·035	2·06	"	54·6	none ...	trace ...	medium	.....	64566	"
3·68	3·24	0·14	0·03	1·03	"	69·1	trace ..	medium	"	.. ...	64567	"
2·78	0·25	0·02	0·005	2·06	"	none .	none ..	trace ...	none ...	.....	64598	Not malt vinegar. Adulterated.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's report. (Is not an expression of opinion.)
DISTRICT OF HAMILTON—								
1914.								
Nov. 3	Vinegar ..	64510	McLauchlan Sons Co., Owen Sound.	3 bots.	25	Maconochie Bros., London, Eng.	.....	Brown Malt
" 6	" ..	64513	Goode & McKay, Walkerton.	3 pts.	20	Holbrooks, Ltd., Toronto.	.....	Malt...
" 9	" .	64514	H. W. Eaton, 447 Barton St. E., Hamilton.	3 bots.	45	The Turner Co., Ltd. Toronto.	.....	Finest English Malt Vinegar Distilled. 3 Star Quality.
DISTRICT OF MANITOBA—								
Nov. 3	Vinegar .	61202	J. Bower & Co., Brandon.	3 pts.	20	The Dyson Co., Winnipeg.	.....	Malt...
" 12	" ..	61205	Galloway Bros., Gladstone.	3 bots.	75	Crosse & Blackwell, London, Eng.	.....	" . .
" 12	" ..	61206	R. E. Broadfoot, Gladstone.	3 pts	15	.....	.....	" . . .
" 16	" ..	61207	Simkins Grocery Store, St. James, Man.	3 "	30	" "	.....	Red Cross Malt.
DISTRICT OF SASKATCHEWAN—								
Oct. 27	Vinegar ..	64049	Capital Grocery, Regina.	3 bots.	15	.....	.....	Malt....
" 28	" ..	64058	Manville & Co., Prince Albert.	3 "	10	.....	James Turner & Co., Hamilton.	" ...
" 30	" ..	64071	F. R. Bailey & Co., Saskatoon.	3 "	15	.....	.....	" . . . .
" 30	" ..	64073	Jones Bros., Saskatoon.	3 pts.	45	The Dyson Co., Winnipeg.	Mfrs.	" . .
Nov. 5	" ..	64092	McLean Grocery, Moose Jaw.	3 "	45	Crosse & Blackwell, London, Eng.	Crawford & Co., Moose Jaw.	" . . . .

VINEGAR (MALT).

Results of Analysis.												
Grams per 100 cc.					Phosphates P_2O_5 Mgms. per 100 cc.							
Acidity as Acetic.	Total Solids.	Ash.	Soluble Ash.	Alkalinity of Soluble Ash cc N/10 acid per 100 cc.	Soluble.	Insoluble.	Chlorides.	Sulphates.	Lead Acetate ppte.	Polarization	No. of Sample.	Remarks and Opinion of the Chief Analyst.
H. J. DAGER, ACTING INSPECTOR.												
[illegible]	2·31	0·12	0·03	2·06	34·3	44·9	medium	medium	copious.	...	64510	Meets standard.
[illegible]	2·52	0·270	.....	5·2	trace.	.....	none ...	"	"	.....	64513	"
[illegible]	0·91	0·07	0·035	1·03	none .	trace.	" ...	trace ...	trace . .	...	64514	Not malt vinegar. Adulterated.
A. [illegible] LARIVIERE, INSPECTOR.												
[illegible]	2·41	0·190	.....	..	....	....	medium	trace ...	.....	.....	61202	Meets standard.
[illegible]	2·00	0·27	.....	12·8	36·4	...	light ...	medium	heavy ..	.....	61205	"
[illegible]	1·40	0·06	....	...	...	...	none ...	"	.....	..	61206	Not malt vinegar. Adulterated.
[illegible]	1·13	0·285	...	.....	...	...	" ...	"	.....	....	61207	Meets standard.
L. H. HALL, INSPECTOR.												
[illegible]	0·42	0·06	0·025	2·06	none	none .	none ...	medium	trace ...	..	64049	Not malt vinegar. Adulterated.
[illegible]	0·35	0·02	0·005	1·54	"	"	slight trace.	slight trace.	none ...	.....	64058	" "
[illegible]	0·71	0·04	0·018	3·60	"	"	none ...	trace ...	" ...	.....	64071	" "
[illegible]	3·09	0·250	0·08	2·06	"	68·1	heavy ..	" ...	copious	.....	64073	Meets standard.
[illegible]	2·00	0·273	0·105	10·3	30·5	48·8	medium	medium	"	.....	64092	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report. (Is not an expression of opinion.)
DISTRICT OF ALBERTA—								
1914.								
Nov. 18	Vinegar ..	52019	Pryce Jones (Canada) Ltd., Calgary.	3 bots.	90	Crosse & Blackwell, London, Eng.	.....	Pure Malt Vinegar. Free from Mineral Acids.
" 25	" ..	52024	Duncan Sampson, Camrose.	3 "	25	Pioneer Vinegar Co., Edmonton	.....	Malt.....
" 25	" ..	52025	Montgomery, Bros., Wetaskiwin.	3 "	90	Holbrook & Co., London, Eng.	Campbell, Wilson & Horne, Edmonton.	Pure Malt..
DISTRICT OF ROCKY MOUNTAINS—								
Nov. 10	Vinegar ..	61711	Co-operativa Italiana Association, Trail.	3 bots.	75	.....	Kelly, Douglas Co., Vancouver.	Mackenzie's Malt.
" 20	" ..	61716	Merritt Dist. Indust. Co-operative Soc., Merritt.	3 "	75	.....	W. J. Pendray & Sons, Victoria.	Malt.. .....
" 20	" ..	61719	Armstrong's Deptl. Store, Merritt.	3 "	75	White, Cottell & Co., London, Eng.	.....	" ....
" 20	" ..	61720	" "	3 "	60	B. C. Vinegar Works, Vancouver.	.....	" ....
" 23	" ..	61727	Hudson's Bay Co., Kamloops.	3 "	65	.....	.....	" ....
DISTRICT OF VANCOUVER—								
Oct. 27	Vinegar ..	55101	The Findlay Co., Stores, 3358 Commercial Drive, Vancouver.	3 bots.	75	Crosse & Blackwell, London, Eng.	.....	Pure Malt..
" 27	" ..	55102	Knight Bros., 11th Ave., and Commercial Drive, Vancouver.	3 "	40	Royal Mfg. Co., Vancouver.	.....	Royal Brand Malt. The name Empress Mfg. Co., Ltd., appear on lead capsules.
" 27	" ..	55103	Mitchell & Cahill, 1752 Commercial Drive, Vancouver.	3 "	45	Holbrook & Co., London, Eng.	.....	Pure Malt..

VINEGAR (MALT.)

Results of Analysis.												
Grams. per 100cc.					Phosphates P_2O_5 Mgms. per 100cc.							
Acidity as Acetic	Total Solids.	Ash.	Soluble Ash.	Alkalinity of Soluble Ash cc N/10 acid per 100 cc.	Soluble.	Insoluble.	Chlorides.	Sulphates.	Lead Acetate ppte.	Polarization.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
A. W. R. MARKLEY, INSPECTOR.												
4·45	2·63	0·29	0·13	9·78	24·0	69·1	medium	medium	copious	.....	52019	Meets standard.
7·16	0·57	0·04	0·37	3·09	none	none	none ...	trace ...	none ...	....	52024	Not malt vinegar. Adulterated.
4·80	2·92	0·335	0·16	1·50	6·16	7·12	" ...	medium	medium	.....	52025	Meets standard.
THOS. PARKER, INSPECTOR.												
3·50	0·39	0·005	none	none	none	none	none ...	none ...	none ...	.....	61711	Not malt vinegar. Adulterated.
3·30	0·35	0·02	"	"	"	"	" ...	" ...	" ...	.....	61716	" "
4·32	2·37	2·90	0·155	7·21	16·4	46·4	heavy ..	medium	heavy ..	...	61719	Meets standard.
3·50	0·74	0·03	0·01	2·11	none	none	none ...	none ...	none ...	.....	61720	Not malt vinegar. Adulterated.
6·71	0·75	0·08	0·030	2·06	"	14·7	" ...	medium	" ...	.....	61727	" "
E. J. MORGAN, INSPECTOR.												
5·20	1·92	0·25	....	12·80	35·6	.....	heavy ..	med....	heavy ..	.....	55101	Meets standard.
2·30	0·44	0·02	0·00	0·00	none..	none..	none ...	none ...	none ...	....	55102	Not malt vinegar. Adulterated.
4·00	2·58	0·28	.....	5·60	46·8	.....	heavy ..	med....	heavy ..	.....	55103	Meets standard.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report. (Is not an expression of opinion.
DISTRICT OF VANCOUVER								
1914.								
Oct. 28	Vinegar ..	55107	The Main Grocery Store, 1102 Commercial Drive, Vancouver.	3 bots.	75	Grimbles, London, Eng.	.....	English Malt Guaranteed Pure.
" 29	" ..	55109	Quality Mfg. Co., 358 Broadway W., Vancouver.	3 "	45	.....	.....	Malt. Bottled by Vendor.
" 29	" ..	55110	A. C. Bartig, 2441 Granville st., Vancouver.	3 "	45	.....	W. J. Pendray & Sons, Ltd., Victoria.	English Malt Guaranteed Pure
Dec. 16	" ..	55152	B. C. Vinegar Works, Vancouver.	3 "	25	Vendors.	.....	Mackenzie's Pure Malt. Made from Pure Malt
DISTRICT OF VICTORIA								
Nov. 5	Vinegar ..	62001	The Windsor Grocery Co., 817 Govt. st., Victoria.	3 pts	60	.....	W. K. Houston & Co., Victoria.	Malt...
" 5	" ..	62002	"	3 qts	75	Crosse & Blackwell, London, Eng.	.....	Pure Malt .
" 6	" ..	62009	The West End Grocery Co., Ltd., 1002 Govt. st., Victoria.	3 "	45	B. C. Vinegar Works, Vancouver.	.....	Pure Canadian Malt.
" 6	" ..	62010	"	3 pts	30	.....	R. P. Rithet & Co., Ltd., Victoria.	Malt.....
" 10	"	62018	Dixie H. Koss, 1317 Govt. st., Victoria	3 "	30	.....	W. J. Pendray & Sons, Ltd., Victoria.	" ..
" 11	" ..	62023	Acton Bros., 1317 Douglas st., Victoria.	3 pts	30	.	W. K. Houston & Co., Victoria.	Malt.....
" 11	" ..	62024	"	3 qts	75	Holbrook & Co., London, Eng.	.....	" .

VINEGAR (MALT).

	Results of Analysis.												
	Grams per 100 cc.				Phosphates P_2O_5 Mgms. per 100 cc.								
	Total Solids.	Ash.	Soluble Ash.	Alkalinity of Soluble Ash cc N/10 acid per 100 cc.	Soluble.	Insoluble.	Chlorides.	Sulphates.	Lead Acetate ppte.	Polarization.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
Continued.												
	2·66	0·43	.....	4·0	trace	.....	heavy	heavy	heavy	.....	55107	Meets standard.
	0·40	0·03	.....	6·0	"	.....	trace	"	none	.....	55109	Not malt vinegar. Adulterated.
	0·31	0·02	.....	2·8	"	.....	"	trace	"	..	55110	"
	0·40	0·01	.....	4·2	"	.....	none	none	none	.....	55152	"
D. O'SULLIVAN, INSPECTOR.												
	0·23	0·02	·005	1·03	8·0	7·3	none	none	none	.....	62001	Not malt vinegar. Adulterated.
	2·24	·220	·080	6·18	7·3	49·3	heavy	med	heavy	.....	62002	Meets standard.
	0·83	0·02	·005	1·03	none	none	none	none	none	.....	62009	Not malt vinegar. Adulterated.
	0·36	0·03	·002	0·0	none	12·1	"	"	"	.....	62010	"
	0·51	0·01	0·01	1·03	trace	10·2	"	"	"	.....	62018	"
	0·42	0·03	·00	"	"	"	med	"	"	.....	62023	Not malt vinegar. Adulterated.
	2·92	·310		2·80	trace	.....	trace	heavy	copious	.....	62024	Meets standard.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Furnisher.	Inspector's Report. (Is not an expression of opinion.
DISTRICT OF NOVA SCOTIA—								
1914.								
Dec. 29	Vinegar	54216	Wm. Moore, Halifax, N.S.	3 qts.	30	N. H. Groves, Bridgetown, N.S.	Mfr.....	Apple Cider.
" 29	" .	54217	J. L. Wilson, "	3 pts.	24	Valley Cyder Co., Bridgetown, N.S.	"	"
" 30	" .	54218	John Tobin & Co., Halifax, N.S.	3 "	20	" "	"	Cider. ....
DISTRICT OF PRINCE EDWARD ISLAND—								
Oct. 29	Vinegar ..	60133	W. W. Walker, Ch Town, P.E.I.	2 pts	15	.....	R. F. Maddigan & Co., Charlottetown, P.E.I.	Cider. ....
" 30	. ..	60134	R. F. Maddigan & Co., Charlottetown, P.E.I.	3 bots.	20	.....	Valley Cider Co., Bridgetown, N.S.	" .
DISTRICT OF NEW BRUNSWICK—								
Nov. 13	Vinegar ..	59603	W. C. Broadbent, St. John, N.B.	3 pts	15	.....	.....	XX Cider..
" 17	" ..	59604	J. Rankin Brown, Woodstock, N.B.	3 "	15	W. M. Graves, Co., Bridgetown, N.S.	Geo. E. Barbour Co. Ltd. St. John, N.B.	Cider. . ..
Dec. 8	" ..	59608	King Asbell & Co., Sussex, N.B.	3 "	15	M. W. Graves & Co, Bridgetown, N.S.	.....	" .....
DISTRICT OF OTTAWA—								
Oct. 24	Vinegar ..	63513	J. L. P. Saunders, Kemptville.	3 bots.	10	Queen City Vinegar Co., Toronto.	.....	XX Cider..
" 31	" ..	63515	A. J. Macdonald, Smiths Falls.	3 "	10	Wilson Lytle & Badgerow Ltd. Toronto.	.....	XXX Cider.

VINEGAR (CIDER).

Results of Analysis.													
Grains per 100cc.					Phosphates P_2O_5 Mgms. per 100 cc.								
Volatile Acetic.	Total Solids.	Ash.	Soluble Ash.	Alkalinity of Soluble Ash cc N/10 acid per 100 cc.	Soluble.	Insoluble.	Chlorides.	Sulphates.	Lead Acetate test.	Polarization.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
R. WAUGH, INSPECTOR.												
4 08	2·102	0·348	0·316	42·0	7·44	....	.....	.....	Med....	−0·8	54216	Meets standard.
2 8	1·696	0·335	0·303	42·4	8·03	.....	.....	.....	" ...	−0·5	54217	" " except in acid strength. Pass.
2 40	1·976	0·250	0·210	30·6	3·17	.....	.....	.....	" ...	−0·6	54218	Meets standard except in acid strength and phosphates. Pass.
WM. A. WEEKS, INSPECTOR.												
3 00	1·760	0·230	.....	16·4	10·8	.....	Trace...	Trace...	Copious.	−0·8	60133	Meets standard except in acid strength. Pass.
3 40	1·690	0·210	.....	17·6	10·0	.....	" ...	" ...	" .	−0·2	60134	Meets standard.
JNO. C. FERGUSON, INSPECTOR.												
3 00	1·780	0·160	.....	5·6	Trace.	..	None...	None...	None...	−1·6	59603	Not cider vinegar. Adulterated.
5 80	2·03	0·280	.....	36·0	9·5	.....	" ...	Slight trace.	Copious.	....	59604	Meets standard.
3 58	1·65	0·30	..	40·4	12·4	.....	" ..	" .	" .	−0·4	59608	" "
J. S. RICKEY, INSPECTOR.												
	1·72	0·14	...	26·4	11·6	.....	Trace.	Trace..	Copious.	−1·2	63513	Meets standard except ash. Pass.
3 58	3·72	0·20	....	22·4	5·6	....	" ...	" ...	" .	....	63515	Meets Standard.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report. (Is not an expression of opinion.)
DISTRICT OF OTTAWA—								
1914. Nov. 5	Vinegar..	63517	Scott Bros., Hull ..	3 bots.	10	Lion Vinegar Co. Ltd., Montreal.	.....	Cider.
DISTRICT OF KINGSTON—								
Oct. 28	Vinegar..	61556	R. W. Marshall, Kingston.	1 qt..	10	.....	Fenwick Hendry Co., Kingston.	Cider...
" 28	" ..	61558	J. R. B. Gage, Kingston.	1 "	10	.....	A Maclean, Kingston.	" ..
" 29	" ..	61561	C. R. McLeod, "	1 "	10	D. B. Murray, Kingston.	.....	" ..
" 29	" ..	61564	W. J. Lee, Kingston.	1 "	10	" "	.....	" ...
DISTRICT OF TORONTO								
Nov. 16	Vinegar..	64559	Stephens Store Ltd., Collingwood.	3 pts.	10	.....	Long Bros., Collingwood.	Queen City XXX Cider
DISTRICT OF HAMILTON—								
Nov. 2	Vinegar.	64507	J. McKim, Orangeville.	3 pts	15	Port Dover Evap. Co., Port Dover.	.....	Cider ..
" 3	" ..	64509	J. A. Armour, Owen Sound.	3 "	15	Taylor & Pringle Co., Ltd., Owen Sound.	.....	" .
" 10	" ..	64516	P. & R. Laing, Dundas.	1 qt .	10	Vendors	....	" .
DISTRICT OF WINDSOR								
Nov. 3	Vinegar	63935	A. A. Rapson, Woodstock, Ont.	1 qt..	15	S. Allen & Co., Norwich.	.....	Cider .. .
" 3	" ..	63941	Lewis & Son, Woodstock, Ont.	1 " .	10	Wilson, Lytle, Badgerow, Ltd., Toronto.	.....	" Blended

VINEGAR (CIDER).

Results of Analysis.												
Grams per 100 cc.					Phosphates P_2O_5 Mgms. per 100 cc.							
Acetic Acid.	Total Solids.	Ash.	Soluble Ash.	Alkalinity of Soluble Ash cc N/10 acid per 100 cc.	Soluble.	Insoluble.	Chlorides.	Sulphates.	Lead Acetate ppte.	Polarization.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
Continued.												
[illegible]	0·26	0·03	.....	4·8	Trace.	.....	None..	None...	None..	−0·2	63517	Not cider vinegar. Adulterated.
JAS. HOGAN, INSPECTOR.												
3·83	1·35	0·18	0·09	19·2	11·2	.....	Trace...	None...	None...	−1·6	61556	Not cider vinegar. Adulterated.
4·47	1·62	0·20	0·145	24·4	9·5	..	None...	" ...	" ...	−1·8	61558	Meets standard.
	2·34	0·370	0·285	40·0	16·0	.....	Trace...	Trace...	Med....	−0·2	61561	" "
4·82	1·87	0·23	0·180	30·8	14·0	.....	None...	None...	None...	−1·0	61564	" "
H. J. DAGER, INSPECTOR.												
[illegible]	0·71	0·09	0·060	5·2	4·1	None	Med....	None...	Trace...	−0·6	64559	Not cider vinegar. Adulterated.
H. J. DAGAR, ACTING INSPECTOR.												
[illegible]	2·43	0·210	0·175	23·6	12·0	none .	medium	trace....	medium	−2·0	64507	Meets standard.
[illegible]	1·88	0·24	0·120	18·0	6·0	"	"	medium	"	−0·5	64509	"
4·92	2·06	0·295	0·240	30·9	trace	"	none ...	heavy ..	trace....	2·0	64516	Meets standard, except phosphates. Pass.
[illegible] TALBOT, INSPECTOR.												
[illegible]	3·07	0·270	.....	35·6	10·8	.....	none ..	slight trace.	copius ..	−1·0	63935	Meets standard
[illegible]	2·07	0·26	.....	26·8	11·1	.....	" ...	"	medium	−0·2	63941	"

Date of Collection	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report. (Is not an expression of opinion.
DISTRICT OF WINDSOR—								
1914.								
Nov. 4	Vinegar ..	63946	H. M. Scott, Tillsonburg.	1 qt..	8	Port Dover Evap. Co., Port Dover.	.....	Cider ..
" 5	" ..	63960	O. R. Hauselman, Simcoe.	3 pts	9	" "	.....	" ....
" 5	" ..	63961	Cruickshank Bros., Simcoe.	3 "	12	Lea Bros., Simcoe.	....	" ....
DISTRICT OF MANITOBA—								
Nov. 10	Vinegar .	61203	A. F. Higgins & Co., Carman.	3 pts.	25	The Dyson Co., Winnipeg.	....	Cider . ....
DISTRICT OF VANCOUVER—								
Oct. 28	Vinegar .	55104	W. D. Fowler, 1,678 Commercial Drive, Vancouver, B.C.	3 bots.	60	McLatchy Mfg. Co., Vanc., B.C.	.....	Pure Apple Cider.
" 29	" .	55108	E. Bailey, 537 Howe Street, Vancouver, B.C.	3 "	1·05	H. J. Heinz Co., Pittsburg, Pa.	.....	Pure Cider. (Fermented.) 5 p.c. Acetic Strength.
DISTRICT OF ALBERTA—								
Nov. 27	Vinegar ..	52028	A. M. Campbell, Lacombe.	3 bots.	75	Alberta Empress Co., Ltd., Calgary.	.....	Cider .....

VINEGAR (CIDER).

Results of Analysis.													
Grams per 100 cc.					Phosphates P_2O_5 Mgms. per 100 cc.								
Acidity as Acetic.	Total Solids.	Ash.	Soluble Ash.	Alkalinity of Soluble Ash cc N/10 acid per 100 cc.	Soluble.	Insoluble.	Chlorides.	Sulphates.	Lead Acetate ppte.	Polarization.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
Concluded.												
3·20	1·17	0·27	.....	33·2	9·1	trace	trace....	slight trace.	heavy ..	−1·2	63946	Meets standard, except solids. Pass.
3·08	0·895	0·175	...	21·6	12·0	.....	none ...	"	medium	−0·2	63960	Not cider vinegar. Adulterated.
4·17	3·08	0·295	.....	33·2	16·8	....	" ...	trace...	heavy ..	−1·4	63961	Meets standard.
A. C. LARIVIERE, INSPECEOR.												
6·00	1·40	0·105	.....	.....	..	.....	medium	trace....	.....	.....	61203	Meets standard, except ash. Pass.
E. J. MORGAN, INSPECTOR.												
4·00	1·87	0·25	.....	34·8	14·5	.....	none ...	none ..	none ...	−1·8	55104	Meets standard.
5·50	2·10	0·32	.....	42·0	9·5	.....	" ...	" ...	heavy ..	−1·0	55108	"
A. W. R. MARKLEY, INSPECTOR.												
2·70	1·32	0·22	0·16	28·8	4·5	.....	none ...	none ...	medium	−2·6	52028	Below standard. Doubtful.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
DISTRICT OF NOVA SCOTIA—							
1915.							
Jan. 11	Vinegar..	54222	J. D. Stewart, Halifax.....	3 qts.	25	E. S. Tracey, Halifax.	Mfr .....
" 20	" .	54225	E. S. Tracey, Halifax	3 pts	15	Vendor	..... .
DISTRICT OF PRINCE EDWARD ISLAND—							
1914.							
Oct. 24	Vinegar...	60127	Beer & Goff, Charlottetown.	3 pts.	30	McCready & Sons Ltd., St. John.	..... .
" 24	" ...	60128	Jenkins & Sons, Charlottetown.	3 qts.	50	H. J. Heinz Co., Pittsburg.	..... .
DISTRICT OF NEW BRUNSWICK							
Nov. 20	Vinegar..	59606	John McKnight, Fredericton.	3 pts.	15	Wilson, Lytle & Badgerow Co., Toronto.	.....
Dec. 10	" ..	59610	D MacLachlin, Chatham .	3 "	20	. . ..	Jones & Scofield, St. John.
DISTRICT OF QUEBEC CITY							
Nov. 2	Vinegar...	56299	O. Lacroix, 19 Rue St. Joseph, Quebec.	3 pts.	40	T. Cessat, Bordeaux.	A. Toussaint & Cie.
" 4	" ..	60706	A. Grenier, 94 Rue St. Jean, Quebec.	3 " .	80	Louis, Frere & Cie, Bordeaux.	Mfrs ....
" 5	" ..	60707	Cantin & Frere 271 Rue St Joseph, Quebec.	3 "	50	Crosse & Blackwell .	Turcotte & Frere
DISTRICT OF EASTERN TOWNSHIPS							
Nov. 11	Vinegar...	63031	The Daly Grocery Co., Stanstead.	3 qts.	30	Canadian Vinegar Co., Montreal.	... .
" 23	" ..	63033	Lassonde & Frere, St. Hyacinthe.	3 " .	35	... .	Larivière & Frere, Montreal
" 23	" ..	63035	Thomas Hebert, St. Hyacinthe.	3 .	36	. . ..	American Food Co., Montreal.

VINEGAR (WHITE WINE).

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Grams per 100cc. Acidity as Acetic.	Total Solids.	Ash.	Chlorides.	Sulphates.	Iodine test for fermented Vinegar.	Formic Acid. Mgms. per 100cc.	Parts per 1,000 of Total Acid.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
R. J. WAUGH, INSPECTOR.										
White Wine	3·60	0·115	0·071	.....	.....	.....	.	.....	54222	Is not wine vinegar.
....	3·55	0·008	0·001	.....	.....	.....	.....	.....	54225	" "
WM. A. WEEKS, INSPECTOR.										
White Wine	5·96	0·170	0·010	Med....	Trace...	....	None	.....	60127	Is not wine vinegar.
....	4·37	0·130	0·020	Trace...	" ..	....	.....	.....	60128	" "
J. C. FERGUSON, INSPECTOR.										
White Wine ...	4·42	0·11	0·005	None...	None...	Ppt...	....	.....	59606	Is not wine vinegar.
.....	3·93	0·505	0·005	Trace...	" ...	.....	..	.....	59610	" "
F. X. W. E. BELAND, INSPECTOR.										
W.	2·6	6·88	0·420	Trace...	Trace. .	.....	....	...	56299	Acidity too low.
.....	5·49	1·63	0·164	" ...	Med....	...	.....	.....	60706	Genuine.
.....	4·84	2·14	0·260	Med....	" ...	.....	. .	....	60707	"
J. J. COSTIGAN, ACTING INSPECTOR.										
W. Wine	4·0	0·095	0·015	Slight trace.	None...	None.	...	. .	63031	Is not wine vinegar.
.....	4·82	0·145	0·015	" .	" ..	" .	....	.....	63033	" "
.....	4·82	0·150	0·020	.		" .	.....	....	63035	" "

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher, as given by the Vendor. Manufacturer.	Furnisher.
DISTRICT OF EASTERN TOWNSHIPS—							
1914.							
Nov. 24	Vinegar..	63037	N. Lacroix, Sherbrooke...	3 qts.	30	Wilson, L. B. Co., Ltd., Toronto.	.....
" 24	" .	63039	D. W. Stenson, Sherbrooke.	3 " .	35	.....	.....
" 25	" ..	63040	Beaudry & Beauchemin, Granby.	3 " .	20	.....	.....
DISTRICT OF MONTREAL—							
Nov. 24	Vinegar...	62525	Beaudoin & Couture, 497 Lasalle Rd., Verdun.	3 qts.	32	Canadian Vinegar Co., Montreal.	.....
" 24	" ..	62528	O. Trudeau, 1394 Wellington St., Verdun.	3 pts.	24	.....	Geo. Perry, Montreal.
" 25	" .	62530	E. Menard, 169 Galt Ave., Verdun.	. .	15	.....	Hudon, Hebert..
" 26	"	62532	G. H. Langevin, 414 St. Lawrence Boul., Montreal	3 bots.	90	Unknown	.....
DISTRICT OF VALLEYFIELD—							
Dec. 9	Vinegar...	62811	Geo. Dixon, Huntingdon...	3 pts.	13	.....	.....
" 10	" ..	62814	G. Bourdon, Longueuil	3 "	15	.....	.....
" 15	"	62816	J. Z. Daoust, Valleyfield...	3 "	20	.....	.....
" 15	" ..	62817	E. Bougie, "	3 .	15	.....	.....
" 15	" .	62818	A. R. Biron, " .	3 "	15	.....	.....
DISTRICT OF OTTAWA							
Oct. 23	Vinegar...	63511	Estate Late Chas. Logue, Central Store, Maniwaki.	3 bots.	18	H. J. Heinz, Pittsburg.	Mfrs . .....

VINEGAR (WHITE WINE).

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Grams per 100cc. Acidity as Acetic.	Total Solids.	Ash.	Chlorides.	Sulphates.	Iodine Test for Fermented Vinegar.	Formic Acid. Mgms. per 100cc.	Parts per 1,000 of Total Acid.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
Concluded.										
White Wine	3·93	0·120	0·015	Slight trace.	Trace...	Trace.	.....	.....	63037	Is not wine vinegar.
"	5·04	0·110	0·015	" ...	" ...	" .	.....	.....	63039	" "
White	5·85	0·145	0·015	" ...	None...	" .	.....	.. .	63040	" "
D. J. KEARNEY, INSPECTOR.										
White Wine	5·64	0·180	0·005	Trace ..	None...	.... .	. ...	.. ...	62525	Is not wine vinegar.
White	4·18	0·355	0·005	" ...	" ...	.....	.....	.....	62528	" "
White Wine ...	6·10	0·185	0·025	" ...	Trace...	.....	.....	.....	62530	" "
. .....	4·94	0·805	0·085	Heavy..	" ...	None.	.....	.....	62532	" "
J. J. COSTIGAN, ACTING INSPECTOR.										
White wine	4·0	0·9	0·002	None...	Trace...	None.	Trace.	.....	62811	Is not wine vinegar.
. ..	5·76	0·125	0.01	" ...	None...	Ppt ..	...	.....	62814	" "
.. ..	3·98	0·105	0·015	Slight trace.	Trace...	Trace.	....	.	62816	" "
. .....	5·66	0·17	0·01	"	Med ...	Ppt ..	....	.....	62817	" "
. ....	6·0	0·28	0·02	None...	None...	None.	0·9	.....	62818	" "
L. A. RICKEY, INSPECTOR.										
White wine	4·37	0·140	0·025	Trace...	None...	.....	...	..	63511	Is not wine vinegar.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
							DISTRICT OF TORONTO—
1914.							
Nov. 16	Vinegar...	64558	S. J. Bailey, Collingwood .	3 pts.	10	Wilson, Lytle, Badgerow Co. Ltd., Toronto.	....
" 18	" .	64560	W. M. Thompson, Penetang	3 bots	10	" "	....
							DISTRICT OF HAMILTON
Nov. 3	Vinegar...	64508	W. J. Ward, Owen Sound..	3 pts	20	Queen City Vinegar Co. Ltd., Toronto.	... .. .
" 4	" ..	64511	E. Irwin, Wiarton.....	3 "	10	S. Allen, Norwich.	....
" 5	" .	64512	H. Bruder, Hanover . ..	3 "	12	Lion Vinegar Co., Montreal.	. .. ...
" 9	" ..	64515	E. M. Precious, 409 Barton st E., Hamilton.	1 qt..	10	S. Allen, Norwich. .	... ...
							DISTRICT OF WINDSOR—
Nov. 3	Vinegar..	63933	John Scott & Co., Woodstock	1 qt..	19	Wilson, Lytle. ..	. . . .
" 3	" .	63936	Wm. Buggs & Son, Woodstock.	3 pts	15	.. ..	Grocers Ltd., Toronto.
" 4	"	63951	F. H. Simpkins, Tillsonburg	3 jars.	15	Heinz Pickling Co	....
" 5	" .	63958	R. Edwards, Simcoe	3 pts	12	S. Allen, Norwich..	. . .
" 5	" .	63962	L. F. Aiken, "	3 "	15	" " .	... .
							DISTRICT OF MANITOBA
Nov. 3	Vinegar...	61201	Wm. Muir, Brandon. . . .	3 pts.	30	Wilson, Lytle.. . . .	....
							DISTRICT OF SASKATCHEWAN
Oct. 28	Vinegar...	64054	Agnews Ltd., Prince Albert	3 Bots.	15	....	A. McDonald Co
Nov. 3	. ..	64083	W. G. Dey, Pense.....	3 "	15	The Dyson Co., Winnipeg.	Mfrs.... ... ..

VINEGAR (WHITE WINE).

Inspector's Label (Is not an expression of opinion).	Results of Analysis. Grams per 100cc. Acidity of Acetic.	Total Solids.	Ash.	Chlorides.	Sulphates.	Iodine test for fermented Vinegar.	Formic Acid. Mgms. per 100cc.	Parts per 1,000 of Total Acid.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
H. DAGER, INSPECTOR.										
W. ...	3·73	0·260	0·015	None	None	...	...	...	64558	Is not wine vinegar.
	3·55	0·185	0·01	Slight trace.	None...	...	...	...	64560	" "
H. DAGER, ACTING INSPECTOR.										
W. wine...	4·32	0·175	0·045	Trace.	None...	...	...	...	64508	Is not wine vinegar.
...	3·4	0·440	0·030	" ...	" ...	...	...	...	64511	" "
...	4·18	0·315	0·015	" ...	" ...	...	...	...	64512	" "
	4·64	0·265	0·035	" ...	Trace...	...	...	...	64515	" "
JOHN TALBOT, INSPECTOR.										
W. ...n's XXX wine.	4·72	0·310	0·065	Trace...	None...	...	...	...	63933	Is not wine vinegar.
W. wine...	2·63	0·160	0·030	" ...	" ...	...	...	...	63936	" "
	4·87	0·540	0·050	None ...	" ...	...	...	...	63951	" "
...	4·52	0·305	0·055	Trace...	" ...	...	...	...	63958	" "
	4·17	0·180	0·040	None ...	" ...	...	...	...	63962	" "
A. LARIVIERE, INSPECTOR.										
W. wine...	5·72	0·150	0·025	Trace...	Med ...	...	...	...	61201	Is not wine vinegar.
E. HALL, INSPECTOR.										
W. Wine	4·23	0·430	0·060	med.	none	...	...	...	64054	Is not Wine Vinegar
	5·90	0·80	0·055	"	trace	...	...	...	64083	" "

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF ALBERTA—							
1914. Nov. 25	Vinegar...	52023	R. B. Price, Camrose....	3 Bots.	75	G. F. & J. Galt Co., Ltd., Calgary.	...
DISTRICT OF ROCKY MOUNTAINS—							
Nov. 10	Vinegar...	61709	E. W. Hazelwood, Trail....	3 Bots.	60	Empress Mfg. Co., Vancouver.	...
" 20	" ..	61717	Merritt & Dist., Indust. Cook Soc'y., Merritt.	3 "	60	W. J. Pendray & Sons, Victoria.	...
" 20	" ..	61718	Merritt Mercantile, Co., Merritt.	3 "	75	B. C. Vingar Works, Vancouver.	...
DISTRICT OF VANCOUVER—							
Oct. 28	Vinegar..	55105	F. Lyons, 1609 Commercial Dr., Vancouver.	3 Bots.	45	B. C. Vingar Works, Vancouver.	...
Dec. 16	" ..	55151	B.C. Vingar Works, Vancouver.	3 "	25	Vendors.....	...
DISTRICT OF VICTORIA—							
Nov. 9	Vinegar...	62011	Copas & Young, Broad & Sts., Victoria.	3 Pts.	30	...	W. K. Houston & Co., Victoria.
" 11	" .	62	H. O. Kirkham Co., Ltd., 741 Fort St., Vancouver.	3 "	30	Unknown.....	Unknown.....

VINEGAR (WHITE WINE).

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Grams per 100cc. Acidity as Acetic.	Total Solids.	Ash.	Chlorides.	Sulphates.	Iodine test for fermented Vinegar.	Formic Acid. Mgms. per 100cc.	Parts per 1,000 of Total Acid Acid.	No. of Sample.	Remarks and Opinion of the Chief Analyst
A. W. R. MARKLEY, INSPECTOR.										
Perfect Jem, Pure White Wine.	4·70	0·46	0·08	heavy	heavy	.....	trace	.	52023	Is not Wine Vinegar
THOS. PARKER, INSPECTOR.										
White Wine....	3·5	·120	·010	none	none	none	none	....	61709	Is not Wine Vinegar
" ...	3·5	·125	·010	"	"	"	trace	....	61717	" "
" .	3·2	·105	·008	.	"	"	"	.	61718	" "
E. J. MORGAN, INSPECTOR.										
Pure White Wine warranted x x x, bottled by vendor.	4·17	·14	·035	none	none	ppt.	trace	.....	55105	Is not Wine Vinegar
MacKenzie's Pure White Wine made from Pure grains.	3·60	·07	·001	"	"	"	none	...	55151	" "
D. O. SULLIVAN, INSPECTOR.										
White Wine.....	3·73	·10	·005	none	none	ppt.	.....	.....	62011	Is not Wine Vinegar
" ...	5·69	·165	·020	trace	"	none	.....	.....	62028	" "

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
DISTRICT OF NOVA SCOTIA—							
1914.							
Dec. 30	Vinegar ..	54219	John Tobin & Co., Halifax	3 pts	20	Heinz Co., Pittsburg	Mfr .....
DISTRICT OF PRINCE EDWARD ISLAND							
Oct. 27	Vinegar...	60131	Coffin & Co., Charlottetown.	3 pts	18	McCready & Son., Ltd., St. John.	....
" 28	"	60132	R. Mutch & Co., Charlottetown.	3 bots.	15	Wilson, Lytle, Badgerow Co., Ltd., Toronto	.
" 30	" ..	60135	Carvell Bros., Charlottetown.	3 "	15	McIntyre Vinegar Works, St. John.	.. ....
DISTRICT OF NEW BRUNSWICK—							
Nov. 13	Vinegar ..	59602	T. McCready & Sons, Ltd., St John.	3 pts.	15	Vendors	... .
" 19	"	59605	B. Beveridge, Andover. .	3 "	25	McIntyre's Bonded Vinegar Factory No. 2, St. John.	Jones, Scofield, St. John.
" 26	"	59607	Hill Bros., St. Stephen . .	3 "	15	McCready & Son, Ltd., St. John.	..... .
Dec. 9	"	59609	Mrs. P. White, Moncton . .	3 "	15	" "	Read & Co. Moncton.
DISTRICT OF QUEBEC CITY—							
Nov. 2	Vinegar	60702	O. Lacroix, 19 Rue St. Joseph, Quebec.	3 pts.	30	St. Lawrence Co., Quebec.	Mfrs .. .
" 2	"	60703	" "	3 "	30	" "	. . . .
" 2	"	60704	" .	3 "	105	E.D. Smith, Winona, Ont.	Turcotte & Frere
" 5	" .	60708	J. H. Turcotte, 92 Rue Caron, Quebec.	3 "	30	St. Lawrence Co., Quebec.	Mfrs ..... .
DISTRICT OF QUEBEC PROVINCE—							
Nov. 4	Vinegar ..	56401	Alphonse Roy, St. Angele .	3 pts.	20	....	Turcotte & Frere
" 4	" ...	56404	Dame Hector Hudon, St. Angele.	3 "	20	Unknown	Unknown .. .

VINEGAR (OTHER THAN WHITE WINE, MALT AND CIDER).

[illegible]	Results of Analysis. Grams per 100cc. Acidity as Acetic.	Total Solids.	Ash.	Chlorides.	Sulphates.	Iodine test for fermented Vinegar	Formic Acid. Mgms. per 100cc.	Parts in 1,000 of Total Acid.	No. of Sample.	Remarks and Opinion of the Chief Analyst
[illegible] WALLIGH, INSPECTOR.										
White	4·02	0·138	0·030	...	...	Ppt	...	...	54219	Genuine.
[illegible] WILLIAM WEEKS, INSPECTOR.										
[illegible]	5·91	0·145	0·015	None...	None.	....		.	60131	Genuine.
[illegible]	3·63	0·125	0·015	" ..	" .	.	..	.....	60132	"
[illegible]	3·67	0·200	0·015	" ..	" ..	..	....	...	60135	"
[illegible] FERGUSON, INSPECTOR.										
[illegible]	3·93	·130	·010	None...	Trace	.	...	.....	59602	Genuine
....	3·62	·350	·015	Heavy..	" .	trace..	None.	.....	59605	"
[illegible] Spirit [illegible] Sherry [illegible]	4·07	·187	·007	Trace ..	" .	Heavy	.....	...	59607	Coloured.
White	3·93	·125	·002	None	" ..	Ppt ..	....	..	59609	Genuine.
[illegible] W. E. BELAND, INSPECTOR.										
[illegible] ..	6·00	0·380	0·015	Trace ..	Trace	.....	....	.....	60702	Genuine.
	5·62	0·160	0·015	None.	None...	....	...		60703	"
[illegible] Pure...	.. ..		.....	.....	....	...	Raspberry vinegar.		60704	Raspberry vinegar. Genuine.
.....	7·06	0·435	0·020	None...	None ..	.....	....	...	60708	Genuine.
[illegible] PELLETIER, N. CADIEUX, O. BROCHU, F. GENDREAU, TEMPORARY INSPECTORS										
.....	3·18	·260	·01	Trace ..	None...	...	.....	None.	56401	Genuine.
.....	4·47	530	·035	" ...	Trace ..	...	.....	..	56404	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
			DISTRICT OF QUEBEC PROVINCE—				
1914.							
Nov. 6	Vinegar .	56409	Philipe Bourgoin, Price. ..	3 pts.	20	....	Langlois & Paradis, Quebec.
" 6	" ..	56410	Phileas Cote, St. Octave....	5 "	23	H. J. Heinz, Pittsburg.	.....
" 6	"	56414	Louis M. Langlois, St. Octave.	3 "	20	" "	J. B. Renaud, Quebec.
" 6	" ..	56416	Paul Therriault, Kempt ..	3 "	20	....	Whitehead & Turner, Quebec
" 9	" ..	56421	D. E. Bernier.	3 "	23	Unknown	Unknown ... .
" 9	" ..	56424	La Cie Commerciale Langlais-Doran, Amqui.	3 "	23	H. J. Heinz, Pittsburg.	... .
" 9	" ..	56426	Joseph Goselin, Cider Hall, Sayabec.	3 "	20	... .	N. Rioux, Quebec.
" 9	" ..	56427	Alp. Fernando Boulian.....	3 "	24	Unknown.....	Unknown .....
Oct. 28	" .	2397	Charles Taillon, Paroisse St. Jerome.	3 "	23	. ...	Chevalier & Pouliot, Joliette
" 28	" .	2399	Ernestide Beauchamp, Paroisse St. Jerome.	3 "	25	.....	Jos. Dufresne, Joliette
Nov. 2	" .	213	A. Leduc, St. Agathe des Monts.	3 bots.	45	.. ..	.....
Dec. 26	" .	245	P. E. Desjardines, St. Therese de Blainville.	3 "	90	L. A. Price, Bordeaux, France.	.....
Oct. 27	" .	2574	Jos. Langlois, Armagh.....	1 qt.	12	St. Lawrence Vinegar Co.	....
" 27	" .	2575	" " ..	1 "	12	....	Turcotte Frere, Quebec.
" 27	" ..	2579	M. Boulanger, Armagh. ...	1 "	15	....	A. B. Dupuis, Quebec.
" 27	" .	2583	C. Beaudoin, Armagh. .	1 "	15	Boivine & Grenier, Quebec.	....
" 27	" ..	2586	Arthur Fradette, Armagh..	1 "	15	A. B. Dupuis, Quebec.	....
" 29	" ..	2588	Antoine Labrecque, St. Raphael.	1 "	15	Naz. Turcotte Cie, Quebec.	....
" 29	"	2592	J. A. Lemieux, St. Michel..	1 "	12	St. Lawrence Vinegar Co.	.. ..
" 30	" ..	2593	George Roy, St. Michel.. .	1 "	14	" " ..	.. ..
" 30	" ..	2594	" " ...	1 "	10	" " ..	....
Nov. 3	" ..	2595	Onesime Noel	1 "	15	" " ..	....
Oct. 26	" ..	2856	Dorchester Lumber, St. Malachi.	1 "	10	" "	....
Nov. 9	" ..	3703	A. J. Caillouette, St. Justine.	1 "	15	Carrier & Fils, Quebec.	....
" 10	" ..	3702	Joseph Doyon, St. Justine..	1 "	15	St. Lawrence Vinegar Co., Quebec.	J. B. Renaud, Quebec.
" 11	" .	3708	Bolduc & Genest, St. Sabine.	1 "	15	" " ..	Drouin & Frere..

VINEGAR (OTHER THAN WHITE WINE, MALT AND CIDER).

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Grains per 100 cc. Acidity as Acetic.	Total Solids.	Ash.	Chlorides.	Sulphates.	Iodine test for fermented Vinegar.	Formic Acid. Mgms.	Parts per 1,000 of Total Acid.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
Continued.										
....	7·16	·280	·025	Trace ..	Trace .	....	....	....	56409	Genuine.
. .....	3·98	·150	·035	" ...	" . .	. ..	.....	.....	56410	"
.. ..	4·47	·135	030	" ...	None...	.....	.....	.....	56414	"
... .	6·71	·425	·025	None...	" .	. ..	.....	..	56416	"
.. . .	5·77	·210	02	Trace ..	" ...	...	...	....	56421	"
. . . .	4·47	·160	·040	" ...	Trace ..	.....	.....	.....	56424	"
.. ..	4·17	·495	·035	None...	None...	.....	....	. ..	56426	"
. ...	5·07	·155	·001	Trace ..	" ..	.....	.....	.....	56427	"
(.....	5·09	315	010	" ..	" ..	.....	.....	.....	2397	"
Proof	5·57	·259	·014	" ..	" ..	....	.....	. ....	2399	"
The Sapho Jennal Special.	3·63	·540	·020	None...	Trace ..	.. .	.....	...	213	"
	5·09	·240	040	Medium	None...	.....	.....	...	245	"
Marsoullais Natural.	6·61	·220	·015	Trace ..	" ..	.....	.. ..	. .	2574	"
Colonie Belgia... .	4·08	·530	·025	" ..	" ..	...	... .	....	2575	"
. .... .	4·75	·775	·065	None .	" ..	.....	....	..	2579	"
(... . ..	4·80	·690	·025	" ...	" ..	.....	.....	. ...	2583	"
(...	3·58	485	·020	" ...	" ..	.....	.....	.....	2586	"
. .. ...	4·87	·500	·020	" ...	" ..	.....	. .	. .	2588	"
. .....	5·86	·440	·020	Trace ..	" ..	.....	.....	.....	2592	"
. ...	6·16	·595	·035	" ..	" ..	.....	.....	....	2593	"
. .....	5·32	410	·030	None...	" ..	. ....	.. .	. ....	2594	"
. .. .	4·92	275	·035	" ..	" ..	.. .	.....	.. ...	2597	"
.. ....	4·87	440	·025	" ..	" ..	.....	. ....	.....	2856	"
Proof . .	4·57	·40	·02	" ..	" ..	.... .	...	....	3703	Below proof strength.
. .. .	7·75	1·24	·385	Trace ..	" ..	....	. .	.....	3702	Genuine.
. . ...	4·38	·445	055	None...	" ..	... ..	.....	.....	3708	"

Date of Collection.	Nature of Sample	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
			DISTRICT OF QUEBEC PROVINCE				
1914.							
Nov. 12	Vinegar...	3711	Jos. Turgeon, St. Isidore.	1 qt.	15	Bernier, Scotts Junc.	.....
13	"	3717	J. B. Turgeon, St. Isidore	1 "	15	" "	.....
Dec. 2		2871	D. Tarvel, St. Leon de Standon.	1 "	15	Dorchester Lumber St. Malachi.	.....
" 2	"	2872	O. Audet, St. Leon de Standon.	1 "	15	St. Lawrence Vinegar Co.	.....
" 3	"	2880	A. Clouthier, St. Odilon.	1 "	15	St. Lawrence Vinegar. Co.	.....
" 4	"	2883	L. J. Audet, St. Edouard.	1 "	15	St. Lawrence Vinegar Co.	Dorchester Lumber.
" 8	"	3718	M. Dechine, St. Germaine Sta.	1 "	15	.....	J. B. Renaud. Quebec.
" 9	"	3722	D. Fortier, St. Rose Dorchester.	1 "	15	.....	Carrier & Fils, Levis.
" 10	"	3725	D. Roy, St. Prospere Dorchester.	1 "	25	.....	J. B. Renaud, Quebec.
" 21	"	3733	A. Mercier, St. Patrie de Beaurivage.	1 "	15	.....	" "
" 22	"	3734	O. Fradette, St. Narcisse neud Bois.	1 "	15	.....	N. Reno, Quebec.
" 22	"	3739	A. Demers, St. Narcisse neud Bois.	1 "	15	.....	Gagnon & Garent, Quebec.
" 23	"	3742	Jos. Blais, St. Bernard Dorchester.	1 "	15	.....	Bernier Scott, Dorchester.
Nov. 21	"	2724	Henrie Fournier, Capt St. Ignace.	3 pt.	25	.....	St. Laurent, Quebec.
" "	"	2726	Jos. M. Dube. Capt St. Ignace.	3 "	25	.....	Gagnon & Garent.
" 24	"	2732	Jos. Breton, St Pierre, Mont.	3 "	25	.....	J.B.E. Letellier, Quebec.
			DISTRICT OF THREE RIVERS—				
Oct. 30	Vinegar...	2640	Arthur Caisse, Berthierville.	1 qt.	15	.....	Lariviére Bros., Montreal.
" 30	"	2644	J. D. Daviault, Berthier ville.	1 "	15	.....	Laporte, Martin & Cie, Montreal.
" 26	"	2677	J. W. Lacasse, L'Assomption.	1 "	18	.....	Chevalier & Poulhot, Joliette.
" 26	"	2678	Louis Pauze, L'Assomption	1 "	18	.....	Hudon Herbert, Montreal.
" 28	"	2679	Archibald Duff, Charlemagne.	1 "	15	.....	Mathewson Sons Co., Ltd., Montreal.
" 28	"	2681	Euclid Beauchamp, Charlemagne	1 "	15	.....	Hudon Orsali, Montreal.

VINEGAR (OTHER THAN WHITE WINE, MALT AND CIDER).

Inspectors's Report. (Is not an expression of opinion.)	Results of Analysis. Grains per 100cc. Acidity as Acetic.	Total Solids.	Ash.	Chlorides.	Sulphates.	Iodine test for fermented Vinegar.	Formic Acid. Mgms. per 100cc.	Parts per 1000 of Total Acid.	No of Sample.	Remarks and Opinion of the Chief Anayst.
Continued.										
F	5 72	0 30	025	Trace ..	None...	.....	.....	.....	3711	Genuine.
.....	5 62	4 45	030	None...	" ..	....	.....	....	3717	"
....	4 78	0 465	0 015	None..	" ...	..	.....	.....	2871	"
.....	4·97	0 445	0 020	" ...	" ..	...	.....	...	2872	"
L ...	5·37	0 480	0 030	Trace...	" ...	...	....	.....	2880	Slightly below proof.
.....	7 85	0 560	0 025	None...	" ...	.....	...	.....	2883	Genuine.
.....	4 77	0 325	0 010	" ...	" ...	...	.....	.....	3718	
...	5 58	0 535	0 620	" ...	" ...	..	.....	....	3722	"
...	4·93	0 215	0·010	" ...	" ...	...	....	....	3725	"
...	4·52	0 405	0 035	" ...	" ..	.....	.....	.....	3733	"
.....	4·42	0·565	0 025	" ...	" ...	.....	.....	.....	3734	"
.....	6·01	0 390	0 015	Trace...	" ...	....	.....	.....	3739	"
..	5·91	0 415	0 020	None...	" ...	....	.....	.....	3742	"
.....	6 20	0 550	0·025	" ..	" .	.	.....	..	2724	"
V ... Rouge...	6·15	.....	.....	" ...	" ...	Trace.	..	.	2726	"
..	5 86	0·42	0 03	" ...	" ...	..	....	.....	2732	"
P. LAVALLEE, INSPECTOR.										
...	5·14	0·165	0 010	None...	None...	....	.....	.....	2640	Genuine.
.....	4·87	0·345	0·020	Med. .	" ...	Trace.	....	.....	2644	"
...	5 37	0 330	0 010	Trace...	" ..	...	....	.	2677	"
...	5 72	0 735	0 180	Cop	Trace...	Trace.	.....	...	2678	"
..	4 17	0 240	0·015	Trace...	None...	.....	...	.....	2679	"
...	5·81	0·250	0·015	" ...	" ...	.....	....	...	2681	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
							DISTRICT OF THREE RIVERS—
1914.							
Oct. 28	Vinegar	2683	Edm. Robillard, St. Paul L'Ermite.	1 qt.	33	Umderlop Co., Demi Johns Balmans, Montreal.	
" 29	"	2684	O. Carignan Fils, Three Rivers.	1 "	50	.....	J. B. Renaud & Cie, Quebec.
" 31	"	2698	Joseph Fernet, Fernetville.	1 "	10	.....	Chevalier & Pouliot, Joliette.
Nov. 2	"	3903	Arthur Tessier, St. Felix de Valois.	1 "	10	.....	"
							DISTRICT OF EASTERN TOWNSHIPS—
Nov. 11	Vinegar	63032	The Daly Grocery Co., Stanstead.	3 qts.	30	Canadian Vinegar Co., Montreal.	.....
" 23	"	63034	H. Messier, St. Hyacinthe.	3 "	25	.....	L. Chaput Fils & Cie, Montreal
							DISTRICT OF MONTREAL—
Nov. 24	Vinegar	62527	J. G. Garent, 381 Latalle rd., Verdun.	3 bots	30	.....	The Lion Vinegar Co., Montreal.
" 26	"	62533	Albert Steinfeld, 83 Demontigny st. e., Montreal.	3 pts.	21	Sapho. Man. Co., Montreal.	.....
" 26	"	62534	J. Hoffman, 106 Demontigny st. e., Montreal.	2 "	24	.....	P. Adelstein, Montreal.
							DISTRICT OF VALLEYFIELD—
Dec. 10	Vinegar	62813	Z. Lamare, Longueuil.....	3 pts	15	.....	.....
" 15	"	62820	J. H. Boyer, New Salleberry.	3 "	15	.....	.....
							DISTRICT OF OTTAWA—
Oct. 23	Vinegar	63512	The Foster Bennett Co., Ltd., River Desert.	3 bots	60	Wilson, Lytle, Badgerow Co., Toronto	.....
" 27	"	63514	Jos. Martel & Cie, Hull.....	3 "	15	The Lion Vinegar Co., Ltd., Montreal	S. J. Major, Ltd., Ottawa.

VINEGAR (OTHER THAN WHITE WINE, MALT AND CIDER).

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Grams per 100cc. Acidity as Acetic.	Total Solids.	Ash.	Chlorides.	Sulphates.	Iodine test for fermented Vinegar.	Formic Acid. Mgms. per 100c.	Parts per 1,000 of Total Acid.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
Continued.										
..	5·43	0·275	0·030	None...	Trace...	.....	....	.....	2683	Genuine.
.....	5·81	0·595	0·015	Trace...	None...	.....	.....	.....	2684	"
.....	4·82	·235	·015	Trace.	None.	.....	.....	.....	2698	"
.	5·53	·270	·025	"	"	.....	.....	.....	3903	"
J. J. COSTIGAN, ACTING INSPECTOR.										
Cider spirit .	5·17	·335	·015	None...	None. .	.....	.....	....	63032	Genuine. Coloured.
Spirit..... ...	5·86	·145	·015	Slight trace.	" ..	. .	. . .	....	63034	"
D. J. KEARNEY, INSPECTOR.										
... .	4·28	1·46	·170	Heavy.	Heavy.	.....	Trace	.. ...	62527	Genuine.
.. . ...	3·37	·250	·015	Trace.	Trace.	.....	Trace	.. .	62533	"
.. .	4·08	·290	·005	None.	None.	.. ...	. ..	... .	62534	"
J. J. COSTIGAN, ACTING INSPECTOR.										
S .	6·48	·11	·002	Trace.	None.	.....	.....	.....	62813	Genuine.
. . .	5·37	·385	·020	Slight trace.	"	.....	None.	.....	62820	"
J. A. RICKEY, INSPECTOR.										
Pure Spirit 50 O.P	7·75	·140	·010	Trace.	None...	....	...	.....	63512	Genuine.
Pure Reina Brand Pure Spirit Vinegar	5·92	·270	·025	"	Trace.	.... .	....	. . .	63514	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
DISTRICT OF OTTAWA—							
1914.							
Nov. 6	Vinegar..	63519	L. Z. Caron, Nelson and Wilbrod sts., Ottawa.	3 bots	10	Heinz, Pittsburg....	.....
" 9	" ..	63520	Halpenny & Co., 590 Bank st., Ottawa.	3 "	10	The Lion Vinegar Co., Montreal.	.....
DISTRICT OF KINGSTON							
Oct. 28	Vinegar..	61557	John Gordon, Kingston....	1 qt..	10	H. J. Heinz, Deamington.	.....
" 28	" ..	61559	D. B. Murray, Kingston...	1 "	10	D. B. Murray, Kingston.	.....
" 29	" ..	61560	J. Gilbert, Kingston..	1 "	10	" ..	.....
" 29	" ..	61562	H. M. Stover, Kingston...	1 "	10	.....	Fenwick, Hendry, Co., Kingston.
" 29	" ..	61563	W. J. Arniel, Kingston....	1 "	10	D. B. Murray, Kingston.	.....
DISTRICT OF MANITOBA—							
Nov. 10	Vinegar...	61204	H. Hastie, Carman.....	3 pts.	15	J. C. Wilson, Toronto	The Codville Co., Winnipeg.
" 16	" ...	61208	Berney & Chapman, St. James, Man.	3 "	15	Blackwoods, Ltd., Winnipeg.	Mfrs .....
" 16	" ...	61209	" "	3 "	15	" "	" .....
" 17	" ...	61210	D. Dalman, Selkirk..	3 "	30	" "	" .....
DISTRICT OF SASKATCHEWAN—							
Oct. 28	Vinegar...	64055	The M'Leod Co., Prince Albert.	3 bots.	20	Pioneer Vinegar Co., Edmonton.	Northern Produce Co.
Nov. 2	" ...	64078	Beacock & Hodges, Mortlach.	3 "	20	Wilson, Lytle, Badgerow Co., Toronto.	H. G. Smith & Co., Regina.
" 5	" ...	64091	Paragon Store, Moosejaw...	5 qts.	60	White Star Mfg. Co., Winnipeg.	Crawford & Co., Moosejaw.

VINEGAR (OTHER THAN WHITE WINE, MALT AND CIDER.)

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Grains per 100cc. Acidity as Acetic.	Total Solids.	Ash.	Chlorides.	Sulphates.	Iodine test for fermented Vinegar.	Formic Acid. Mgms. per 100cc.	Parts per 1,000 of Total Acid.	No. of Sample.	Remarks and Opinion of the Analyst.
Concluded.										
White Crystal Label Vinegar.	4·13	·405	·015	None.	None.	.....	.....	.....	63519	Genuine.
Pure Spirit Vinegar.	3·88	·145	·015	Trace.	Trace.	.....	.....	.....	63520	"
JAMES HOGAN, INSPECTOR.										
Spirit.....	3·83	·105	·015	Trace.	Trace.	.....	.....	.....	61557	Genuine.
"	9·24	·180	·015	"	"	.....	.....	.....	61559	"
"	3·60	·075	·010	Slight trace.	None.	.....	Trace.	.....	61560	"
"	4·35	·130	·015	"	"	.....	Trace.	..	61562	"
"	3·63	·100	·010	Trace.	Trace.	.....	..	.....	61563	"
A. C. LARIVIERE, INSPECTOR.										
.....	8·52	0·935	0·030	none. ..	med...	.....	.....	.....	61204	Genuine.
Spirit xxx Brown.	2·77	0·530	0·060	heavy ..	heavy .	.....	trace .	....	61208	Below standard strength.
" White.	3·60	0·275	0·055	" ..	" ..	...	" ..	....	61209	Genuine.
Pure White Spirit.	5·84	.....	.....	" ..	" ..	....	" ..	.....	61210	"
L. H. HALL, INSPECTOR.										
White Wine (Spirit).	4·94	0·390	0·020	trace...	trace....	.....	.....	....	64055	Spirit Vinegar. Genuine.
" " ..	9·37	0·285	0·005	" ..	none ..	.....	trace..	...	64078	" "
White Wine White Star Brand.	4·57	0·525	0·050	heavy. .	med....	...	" ..	.....	64091	" "

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vend r.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.
						DISTRICT OF ALBERTA—	
1914.							
Nov. 18	Vinegar...	52020	S. G. Freeze, Calgary . .	3 bots.	60	Simmington & Co., Calgary.	.....
" 18	" ...	52021	John Irwin & Co., Calgary	3 "	60	The Dyson Co., Winnipeg.	.....
" 24	" ...	52022	Pride Nash & Co., Stettler..	3 "	75	" "	.....
" 26	" ...	52026	Lake & Co., Wetaskiwin. .	3 "	75	Pioneer Vinegar Co., Edmonton.	.....
" 26	" ..	52027	Fowler & Co., Wetaskiwin..	3 "	60	The Dyson Co., Winnipeg.	.....
						DISTRICT OF ROCKY MOUNTAINS—	
Nov. 10	Vinegar...	61710	E. W. Hazlewood, Trail....	3 bots.	60	Pure Fruit Mfg. Co., Vanc.	.....
" 23	" ...	61726	Hudsons Bay Co, Kamloops.	3 "	65	Jones Bros. Co., Portland, Ore.	.....
						DISTRICT OF VANCOUVER—	
Oct. 28	Vinegar ..	55106	Birds Grocery, 1304 Commercial Dr., Vance.	3 bots.	45	B.C. Vinegar Wks., Vanc.	.....
						DISTRICT OF NOVA SCOTIA—	
Dec. 5	Vinegar...	65805	A. A. McDonald, New Glasgow, N.S.	3 pts.	45	Heinz, Leamington, Ont.	Mfrs .....
" 5	" ...	65809	James McArthur	3 "	45	MacCready & Sons, St. John, N.B.	" .....
						DISTRICT OF VICTORIA—	
Nov. 14	Vinegar..	62019	Dixie H. Ross, Victoria, B.C.	3 qts.	60	Geo. Downs & Co., Ltd., Dublin.	.....

VINEGAR (OTHER THAN WHITE WINE, MALT AND CIDER)

Inspector's Report. (Is not an expression of opinion.)	Results of Analysis. Grains per 100cc. Acidity as Acetic.	Total Solids.	Ash.	Chlorides.	Sulphates.	Iodine test for fermented Vinegar.	Formic Acid. Mgms. per 100cc.	Parts per 1,000 of Total Acid.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
A. W. R. MARKLEY, INSPECTOR.										
Finest pure xxx Table Vinegar, bottled expressly for Vendor.	4·02	0·375	0·035	none..	trace...	....	...	..	52020	Genuine.
Dyson's Red Cross Pure Spirit Wine Vinegar, Govt. standard.	5·61	0·32	0·09	med....	med. ..	ppt...	none..	.....	52021	"
" " ..	4·58	0·970	0·065	heavy..	" ...	.	" ..	.. .	52022	"
Buffalo Brand White Wine Cider.	3·78	0·30	0·035	none...	trace....	.....	" ..	.....	52026	Spirit Vinegar.
50 per cent Spirit White Wine, Govt standard.	3·9	8·22	0·155	ppt.....	ppt.....	.....	trace..	.....	52027	Below standard strength.
THOS. PARKER, INSPECTOR.										
Pure Fruit.	2·5	0·150	0·010	none...	none....	.. ..	trace..	.....	61710	Below standard strength.
White Pickling.	4·23	0·540	0·025	trace...	trace....	....	.....	.....	61726	Genuine.
E. J. MORGAN, INSPECTOR.										
Pure Canadian, mfgd. and bottled in bond.	3·42	0·545	0·005	none...	none....	. ...	trace .	.....	55106	Genuine.
W. A. PETIPAS, TEMP. INSPECTOR.										
.....	4·12	0·505	0·140	trace...	none....	. . . .	....	.... .	65808	Genuine.
.....	3·48	0·285	0·025	none...	" ...	.....	.....	.....	65809	"
D. O'SULLIVAN, INSPECTOR.										
Pure Belmont ...	2·90	0·50	0·02	none...	none....	.....	none .	.....	62019	Below standard strength.